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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/992,348

11/21/2001

Margaret Sue Ellis

1366/US

7197

20686

7590

05/07/2008

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370 SEVENTEENTH STREET  
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DENVER, CO 80202-5647

EXAMINER

LIU, I JUNG

ART UNIT

PAPER NUMBER

3694

MAIL DATE

DELIVERY MODE

05/07/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/992,348	<b>Applicant(s)</b> ELLIS, MARGARET SUE	
	<b>Examiner</b> MARISSA LIU	<b>Art Unit</b> 3694	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 17 March 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-34 and 62 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-34 and 62 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 1 recites the limitation "the difference" in claim 1. There is insufficient antecedent basis for this limitation in the claim.
3. Claim 1 recites the limitation "an estimated liquidation time" in claim 1. The limitation "an estimated liquidation time" should be replaced with "the estimated liquidation time". Please make appropriate correction.
4. Claim 1 recites the limitation "an estimated net proceeds" in claim 1. The limitation "an estimated net proceeds" should be replaced with "the estimated net proceeds". Please make appropriate correction.

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-4, 9, 13-16, 18-34 and 62 are rejected under 35 U.S.C. 102(b) as being unpatentable by McClauey et al., US Patent Number: 5,930,775 (PTO 892 form A) in view of Official Notice.

3. As per claim 1, McClauey et al. teaches a method for obtaining an estimated financial outcome for a pool of loans comprising:

obtaining an estimated value for a property associated with a loan from the pool (abstract; Fig. 6; column 8, lines 48-50);

obtaining an estimated net proceeds amount from a sale of the property associated with the loan (Fig. 6; column 5, lines 31-33; column 6, lines 65-column 7, lines 8; column 8, lines 48-50);

obtaining an estimated total debt amount for the loan (Fig. 6);

deriving the difference between the estimated net proceeds and the estimated total debt to yield an estimated financial outcome from the sale of the property associated with the loan (Fig. 6; column 1, lines 56-67; column 5, lines 61-64; abstract);

applying the estimated financial outcome from the sale of the property associated with the loan yield the estimated financial outcome for the pool (Fig. 6; abstract).

McClauey et al. does not teach obtaining an estimated liquidation time between a last interest paid date for the loan and a receipt of the net proceeds from the sale of the property, wherein the operation of obtaining an estimated liquidation time includes applying a liquidation time value decision tree; executing the preceding operations of obtaining an estimated value, obtaining an estimated net proceeds, obtaining an estimated liquidation time, obtaining an estimated total debt, and deriving the difference for a plurality of additional loans from the pool of loans; and the plurality of additional loans.

Official Notice is taken that obtaining an estimated time between a last interest paid date and a receipt, wherein the operation includes applying a liquidation time value decision tree, executing preceding operations, obtaining estimated net proceeds, obtaining estimated liquidation time,

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obtaining estimated total debt, and deriving difference for plurality of additional loans from pool of loans and plurality of additional loans is old and well known in the banking industry as a convenient way for company or individual to evaluate or reduce financial or credit risk for certain loans. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to have include obtaining an estimated time between a last interest paid date and a receipt, wherein the operation includes applying a liquidation time value decision tree, executing preceding operations, obtaining estimated net proceeds, obtaining estimated liquidation time, obtaining estimated total debt, and deriving difference for plurality of additional loans from pool of loans and plurality of additional loans to the method for obtaining an estimated financial outcome.

4. As per claim 2, McClauey et al. and Official Notice teach the method of claim 1 described above. McClauey et al. further teaches wherein the operation of obtaining an estimated value for the property includes applying a property value decision tree to obtain the estimated value for the property (Figs. 1-6; abstract).

5. As per claim 3, McClauey et al. and Official Notice teach the method of claim 2 described above. McClauey et al. further teaches wherein the operation of applying the property value decision tree includes:

obtaining an actual sales price for the property (Fig. 6); and  
setting the estimated value for the property at the actual sales price for the property (Fig. 6).

6. As per claim 4, McClauey et al. and Official Notice teach the method of claim 2 described above. McClauey et al. further teaches wherein the operation of applying the property

value decision tree includes:

obtaining a contract price for the property (Fig. 6); and

setting the estimated value for the property at the contract price for the property (abstract; Fig. 6).

7. As per claim 9, McCauley et al. and Official Notice teach the method of claim 2

described above. McCauley et al. further teaches wherein the operation of applying the property value decision tree includes:

obtaining an appraisal for the property (Figs. 1-6; abstract; column 5-6); and

setting the estimated value for the property as the appraisal of the property (Figs. 1-6; abstract; column 5-6).

8. As per claim 13, McCauley et al. and Official Notice teach the method of claim 1

described above. McCauley et al. further teaches wherein the operation of obtaining an estimated liquidation time includes applying a liquidation time value decision tree (column 2, lines 19-26; column 3, lines 1-31; column 5, lines 1-33; column 7, lines 1-8; Fig. 1-6; abstract).

9. As per claim 14, McCauley et al. and Official Notice teach the method of claim 13

described above. McCauley further teaches wherein the operation of applying a liquidation time value decision tree includes:

obtaining a first time factor to account for a payment plan associated with the loan (column 1, lines 25-30; column 2, lines 19-26; column 11, lines 1-7; Fig. 6; abstract); and adding the first time factor to the last interest paid date (column 1, lines 25-30; column 2, lines 19-26; column 11, lines 1-7; Fig. 6; abstract).

10. As per claim 15, McCauley et al. and Official Notice teach the method of claim 14

described above. McCauley et al. further teaches wherein the operation of obtaining a first time

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factor to account for a payment plan includes:

determining an end date for the payment plan; determining a current date; subtracting the current date from the end date for the payment plan; and wherein the operation of subtracting generates the first time factor to account for a payment plan (column 1, lines 25-30; column 2, lines 19-26; column 11, lines 1-7; Fig. 6; abstract; column 8, lines 22-60).

11. As per claim 16, McCauley et al. and Official Notice teach the method of claim 13 described above. McCauley et al. further teaches wherein the operation of applying a liquidation time value decision tree includes:

obtaining a second time factor to account for a bankruptcy proceeding associated with the loan and adding the second time factor to the last interest paid date (column 2, lines 19-26; column 3, lines 1-31; column 5, lines 1-33; column 7, lines 1-8; Fig. 6; abstract).

12. As per claim 18, McCauley et al. and Official Notice teach the method of claim 13 described above. McCauley et al. further teaches wherein the operation of applying a liquidation time value decision tree includes:

obtaining a third time factor to account for litigation associated with the loan and adding the third time factor to the last interest paid date (column 2, lines 19-26; column 8, lines 39-47; column 3, lines 1-31; column 5, lines 1-33; column 7, lines 1-8; Fig. 6).

13. As per claim 19, McCauley et al. and Official Notice teach the method of claim 18 described above. McCauley et al. further teaches wherein the Operation of obtaining a third time factor to account for litigation associated with the loan includes:

determining if there is litigation associated with the loan and setting the third time factor to

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twelve months if there is litigation associated with the loan (column 2, lines 19-26; column 5, lines 1-33; column 7-8; Fig. 6; abstract).

14. As per claim 20, McCauley et al. and Official Notice teach the method of claim 13 described above. McCauley et al. further teaches wherein the operation of applying a liquidation time value decision tree includes:

obtaining a fourth time factor to account for foreclosure proceedings associated with the loan and adding the fourth time factor to the last interest paid date (column 2, lines 19-26; columns 3-8; Fig. 1-6).

15. As per claim 21, McCauley et al. and Official Notice teach the method of claim 20 described above. McCauley et al. further teaches wherein the operation of obtaining a fourth time factor to account for foreclosure proceedings associated with the loan includes: determining a foreclosure start date; determining a current date; subtracting the foreclosure start date from the current date; and wherein the operation of subtracting yields the fourth time factor (columns 3-8; Fig. 1-6).

16. As per claim 22, McCauley et al. and Official Notice teach the method of claim 13 described above. McCauley et al. further teaches wherein the operation of applying a liquidation time value decision tree includes:

obtaining a fifth time factor to account for a delinquency status associated with the loan; adding the fifth time factor to the last interest paid date (see column 7, lines 52-67; Fig. 6; column 2, lines 19-26; abstract).

17. As per claim 23, McCauley et al. and Official Notice teach the method of claim 22 described above. McCauley et al. further teaches wherein the operation of determining a fifth



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time factor to account for a delinquency status associated with the loan includes:

determining whether the loan has a delinquency status of current, 30 days delinquent, 60 days delinquent, or 90 days delinquent; setting the fifth time factor to two months if the delinquency status is 30 days delinquent; setting the fifth time factor to one month if the delinquency status is 60 days delinquent; setting the fifth time factor to zero months if the delinquency status is 90 days delinquent; and setting the fifth time factor to three months if the delinquency status is current date (see column 7, lines 52-67; Fig. 6; column 2, lines 19-26; abstract).

18. As per claim 24, McCauley et al. and Official Notice teach the method of claim 13 described above. McCauley et al. further teaches wherein the operation of applying a liquidation time value decision tree includes:

obtaining a sixth time factor to account for a marketing period to sell the property and adding the sixth time factor to the last interest paid date (column 1, lines 25-30; column 2, lines 1-26; column 10, line 33-column 11, line 5).

19. As per claim 25, McCauley et al. and Official Notice teach the method of claim 24 described above. McCauley et al. further teaches wherein the operation of obtaining a sixth time factor to account for a marketing period to sell the property includes: determining if an eviction is required; adding two months to the sixth time factor if the eviction is required; determining if the property is a co-op; adding three months to the sixth time factor if the property is a co-op; determining if the property is located in a depressed region; adding twelve months to the sixth time factor if the property is in a depressed region; determining if the property is in bad condition; adding six months to the sixth time factor if the property is in bad condition; determining if the property has a value that exceeds a specified value; and adding two months to

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the sixth time factor if the property value exceeds the specified value (Fig. 1-6; abstract; column 5-8).

20. As per claim 26, McCauley et al. and Official Notice teach the method of claim 1 described above. McCauley et al. further teaches wherein the estimated net proceeds is a function of the estimated value for the property (Fig. 6).

21. As per claim 27, McCauley et al. and Official Notice teach the method of claim 26 described above. McCauley et al. further teaches:  
obtaining a commission value associated with the sale of the property (Fig. 6); and  
subtracting the commission value from the estimated value for the property to obtain the estimated net proceeds (Fig. 6).

22. As per claim 28, McCauley et al. and Official Notice teach the method of claim 26 described above. McCauley et al. further teaches:  
obtaining an unpaid taxes value associated with the sale of the property (Fig. 6); and  
subtracting the unpaid taxes value from the estimated value for the property to obtain the estimated net proceeds (Fig. 6).

23. As per claim 29, McCauley et al. and Official Notice teach the method of claim 26 described above. McCauley et al. further teaches:  
obtaining a closing costs value associated with the sale of the property (Fig. 6); and  
subtracting the closing costs value from the estimated value for the property to obtain the estimated net proceeds (Fig. 6).

24. As per claim 30, McCauley et al. and Official Notice teach the method of claim 26 described above. McCauley et al. further teaches wherein the operation of estimating a net

proceeds from the sale of the property includes:

obtaining a lien payoff value associated with the sale of the property (Fig. 6); and  
subtracting the lien payoff value from the estimated value for the property to obtain the estimated net proceeds (Fig. 6).

25. As per claim 31, McCauley et al. and Official Notice teach the method of claim 26 described above. McCauley et al. further teaches wherein the operation of estimating a net proceeds from the sale of the property includes:

obtaining a title fee value associated with the sale of the property (column 1, lines 45-55; Figs. 1-6); and  
subtracting the title fee value from the estimated value for the property to obtain the estimated net proceeds (column 1, lines 45-55; Figs. 1-6).

26. As per claim 32, McCauley et al. and Official Notice teach the method of claim 1 described above. McCauley et al. further teaches wherein the estimated total debt is a function of the estimated liquidation time (column 2, lines 19-26; column 7, lines 1-8; Fig. 6; abstract).

27. As per claim 33, McCauley et al. and Official Notice teach the method of claim 32 described above. McCauley et al. further teaches wherein the operation of estimating a total debt for the loan includes:

obtaining an amortized balance for the loan (column 9, lines 17-20);  
obtaining an interest rate for the loan (column 3, lines 1-22; column 7, lines 1-8);  
determining an interest since the last interest paid date, wherein the interest is a function of the interest rate, the amortized balance, and the estimated liquidation time (column 3, lines 1-31; column 7, lines 1-8; column 9, lines 17-20; column 2, lines 19-26; column 5, lines 1-33; Fig.

6; abstract ); obtaining a foreclosure cost (Fig. 6; column 8, lines 22-38); summing the foreclosure cost with the interest to yield a first result (Figs. 1-6; column 8, lines 22-38; column 3-4); obtaining a real estate owned marketing cost (Fig. 6); summing the first result with the real estate owned marketing cost to yield a second result (Fig. 6); subtracting the credit from the second result to yield the total debt for the loan (Fig 6).

28. As per claim 34, McCauley et al. and Official Notice teach the method of claim 1 described above. McCauley et al. further teaches wherein the operation of applying includes determining an estimated financial outcome for each loan in the pool, and summing the estimated financial outcome for each loan to yield the estimated financial outcome for the pool (abstract; Fig. 6).

29. As per claim 62, McCauley et al. and Official Notice teach the method of claim 1 described above. McCauley et al. further teaches computer readable medium containing instructions (abstract; column 6, lines 50-55).

30. Claims 5-8 and 10-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over McCauley et al., US Patent Number: 5,930,775, in view of Official Notice, further in view of May, US Pub. No.: 2002/0059136 A1 (PTO 892 form B).

31. As per claim 5, McCauley et al. and Official Notice teach the method of claim 2 described above. McCauley et al. further teaches wherein the operation of applying the property value decision tree includes:

obtaining a list price for the property (Fig. 6);

obtaining an appraisal for the property (Fig. 6); and

McCauley et al. does not teaches the following:

setting the estimated value for property at the lesser of the list price and the appraisal.

May teaches the following:

setting the estimated value for property at the lesser of the list price and the appraisal (§ 0003; § 0010; § 0034).

Therefore, it would be prima facie obvious to one of ordinary skill in the art at the time the invention was made to add setting the estimated value for property at the lesser of the list price and the appraisal feature to the method of McClauey et al. because May teaches that adding the feature helps an individual to reduce the mortgage guaranty insurance premium of a mortgage (§ 0010).

32. As per claim 6, McCauley et al. and Official Notice teach the method of claim 2 described above. McClauey et al. further teaches wherein the operation of applying the property value decision tree includes:

obtaining a list price for the property (Fig. 6);

McClauey et al. does not teaches:

obtaining a first broker price opinion for the property;

obtaining a second broker price opinion for the property;

averaging the first broker price opinion and the second broker price opinion; and

setting the estimated value for the property at the lesser of the list price and the average of the first broker price opinion and the second broker price opinion.

May teaches:

obtaining a first broker price opinion for the property (Fig. 1-5; § 0003; § 0010; § 0034);

obtaining a second broker price opinion for the property (Fig. 1-5; § 0003; § 0010; § 0034);

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The steps: setting the estimated value for the property at the lesser of the list price and the average of the first broker price opinion and the second broker price opinion is merely a design choice, please refer to claim 5 rejection described above.

Therefore, it would be prima facie obvious to one of ordinary skill in the art at the time the invention was made to add obtaining a first broker price opinion for the property and obtaining a second broker price opinion for the property features to the method of McClauey et al. because May teaches that adding the feature helps an individual to reduce the mortgage guaranty insurance premium of a mortgage (§ 0010).

33. Claim 7 is equivalent of claim 5 and claim 6. Please refer to claim 5 and 6 rejection.

34. Claim 8 is equivalent of claim 5 and claim 6. Please refer to claim 5 and 6 rejection.

35. Claim 10 is equivalent of claim 5 and claim 6. Please refer to claim 5 and 6 rejection.

36. Claim 11 is equivalent of claim 5 and claim 6. Please refer to claim 5 and 6 rejection.

37. Claim 12 is equivalent of claim 5 and claim 6. Please refer to claim 5 and 6 rejection.

38. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over McClauey et al.,

US Patent Number: 5,930,775, in view of Official Notice, further in view of Sellers et al., US

Pub. No.: 2001/0044773 (PTO 892 form C).

39. As per claim 17, McCauley et al. and Official Notice teach the method of claim 16

described above. McClauey et al. does not teaches:

determining whether a chapter thirteen bankruptcy proceeding, a chapter seven bankruptcy proceeding, a chapter twelve bankruptcy proceeding, or another chapter bankruptcy proceeding is associated with the loan;

setting the second time factor to three months if the chapter thirteen bankruptcy proceeding is

associated with the loan;

setting the second time factor to six months if the chapter seven bankruptcy proceeding is associated with the loan;

setting the second time factor to twelve months if the chapter eleven bankruptcy proceeding is associated with the loan; and

setting the second time factor to three months if another bankruptcy proceeding or an unidentified bankruptcy proceeding is associated with the loan.

Sellers et al. teaches the following steps:

determining whether a chapter thirteen bankruptcy proceeding, a chapter seven bankruptcy proceeding, a chapter twelve bankruptcy proceeding, or another chapter bankruptcy proceeding is associated with the loan (Fig. 13N; ¶ 0077);

setting the second time factor to six months if the chapter seven bankruptcy proceeding is associated with the loan (Fig. 13N; ¶ 0077-0078);

Therefore, it would be prima facie obvious to one of ordinary skill in the art at the time the invention was made to add determining whether a chapter thirteen bankruptcy proceeding, a chapter seven bankruptcy proceeding, a chapter twelve bankruptcy proceeding, or another chapter bankruptcy proceeding is associated with the loan and setting the second time factor to six months if the chapter seven bankruptcy proceeding is associated with the loan features to the method of McClauey et al. because Sellers et al. teaches that adding the features help to provides a system for automatically obtaining loan workout approval (¶ 0008).

The steps of: setting the second time factor to different months relating to different chapter bankruptcy is the design choices. Please refer to above rejection.

***Response to Arguments***

40. Applicant's arguments with respect to claims 1-34 and 62 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARISSA LIU whose telephone number is (571)270-1370. The examiner can normally be reached on IFP.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trammell can be reached on 571-272-6712. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. L./  
Examiner, Art Unit 3694

/James P Trammell/  
Supervisory Patent Examiner, Art Unit 3694



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